

FIG. 1 is a block diagram of a system architecture for a network gateway. The system includes a central network (10) connected to two gateways (18). Each gateway is connected to various devices (12, 14, 16, 16'). The gateways are also connected to a modem relay connector (8) and a de/compression synchronizer (32). The modem relay connector (8) includes an ANSam tone detector (20), a remote-gw signaling mechanism (24), a CM-code detector (26), a local proxy negotiation mechanism (30), a signal suppression mechanism (28), and a pass-thru mode invocation mechanism (22). The de/compression synchronizer (32) includes a signaling mechanism (34), a command mechanism (36), a commencement mechanism (38), a relaying mechanism (42), a data discard mechanism (44), and a detection mechanism (40).

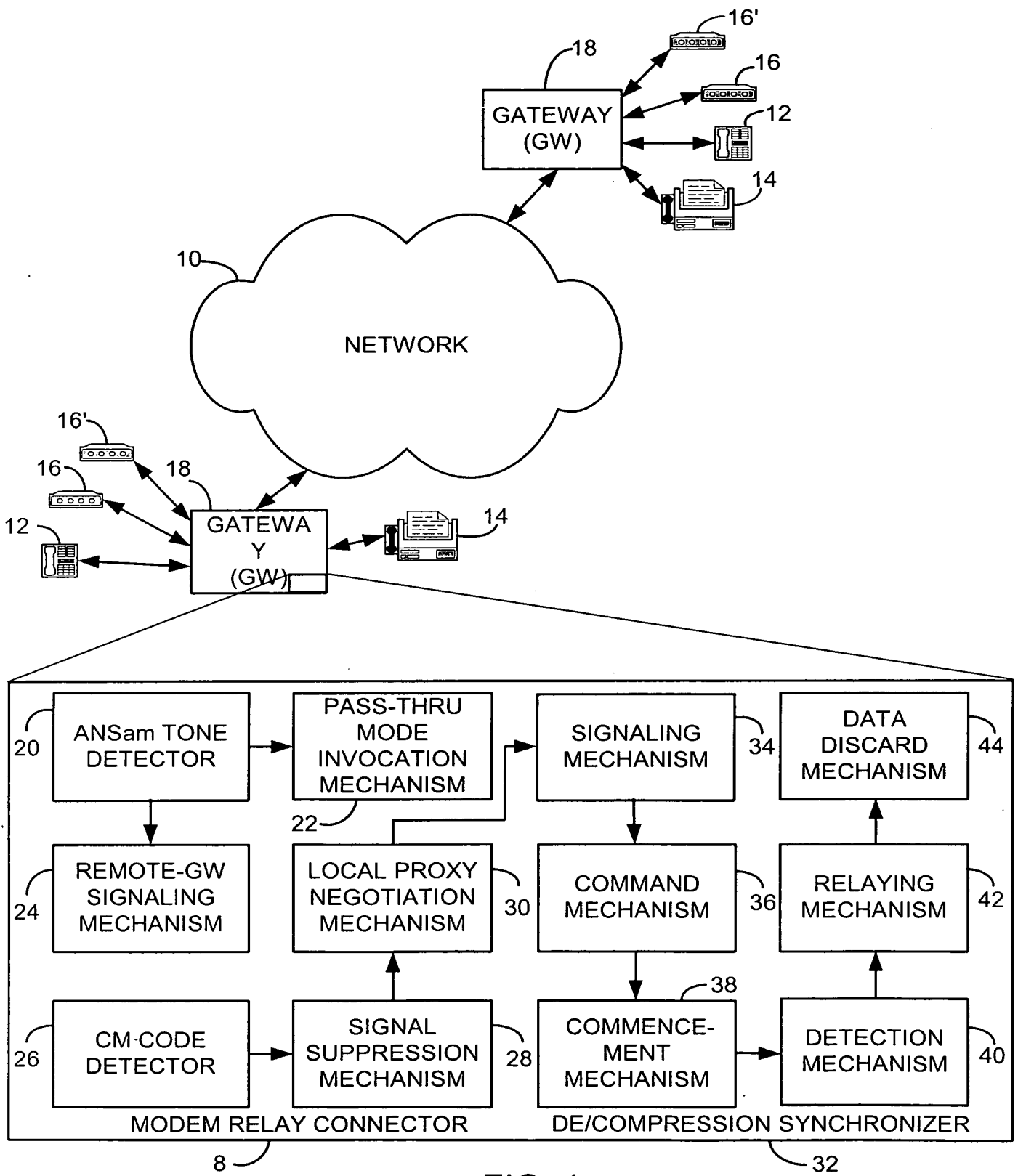


FIG. 1

FIG. 2 is a flowchart illustrating a process for detecting an ANSam tone and negotiating a local physical layer. The process starts with a condition gateway to detect an ANSam tone (100). If the ANSam tone is detected (102), the process invokes a pass-thru mode and a condition gateway to detect a CM code (200). If the CM code is detected (202), the process suppresses transmission of signals (300). A decision is then made on whether the called leg is active (400). If the called leg is active (YES), the process transmits at least two consecutive, identical CM codes (400b). If the called leg is not active (NO), the process receives two consecutive, identical CM codes (400a). Both paths lead to the completion of negotiation of the local physical layer (500).

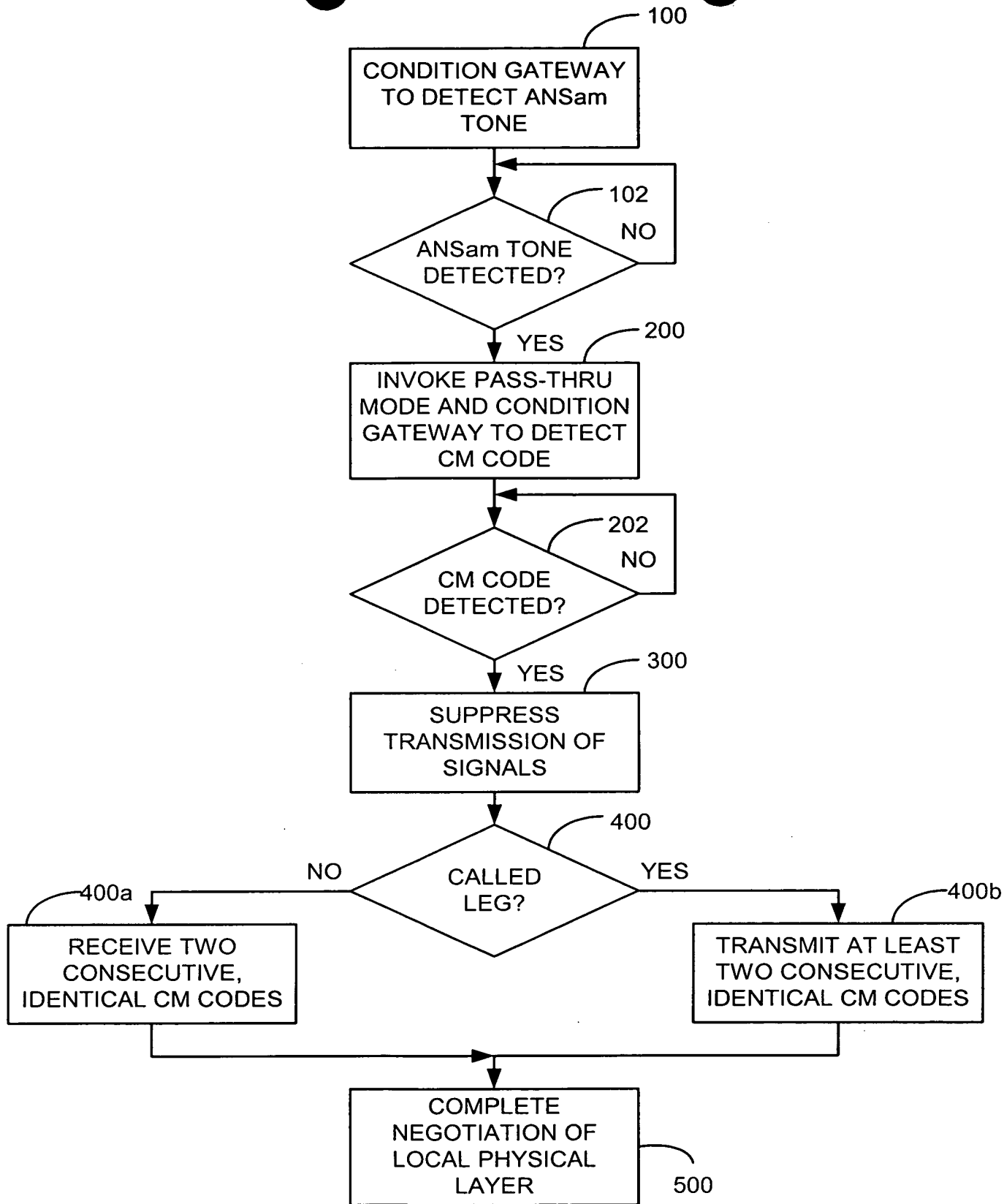


FIG. 2

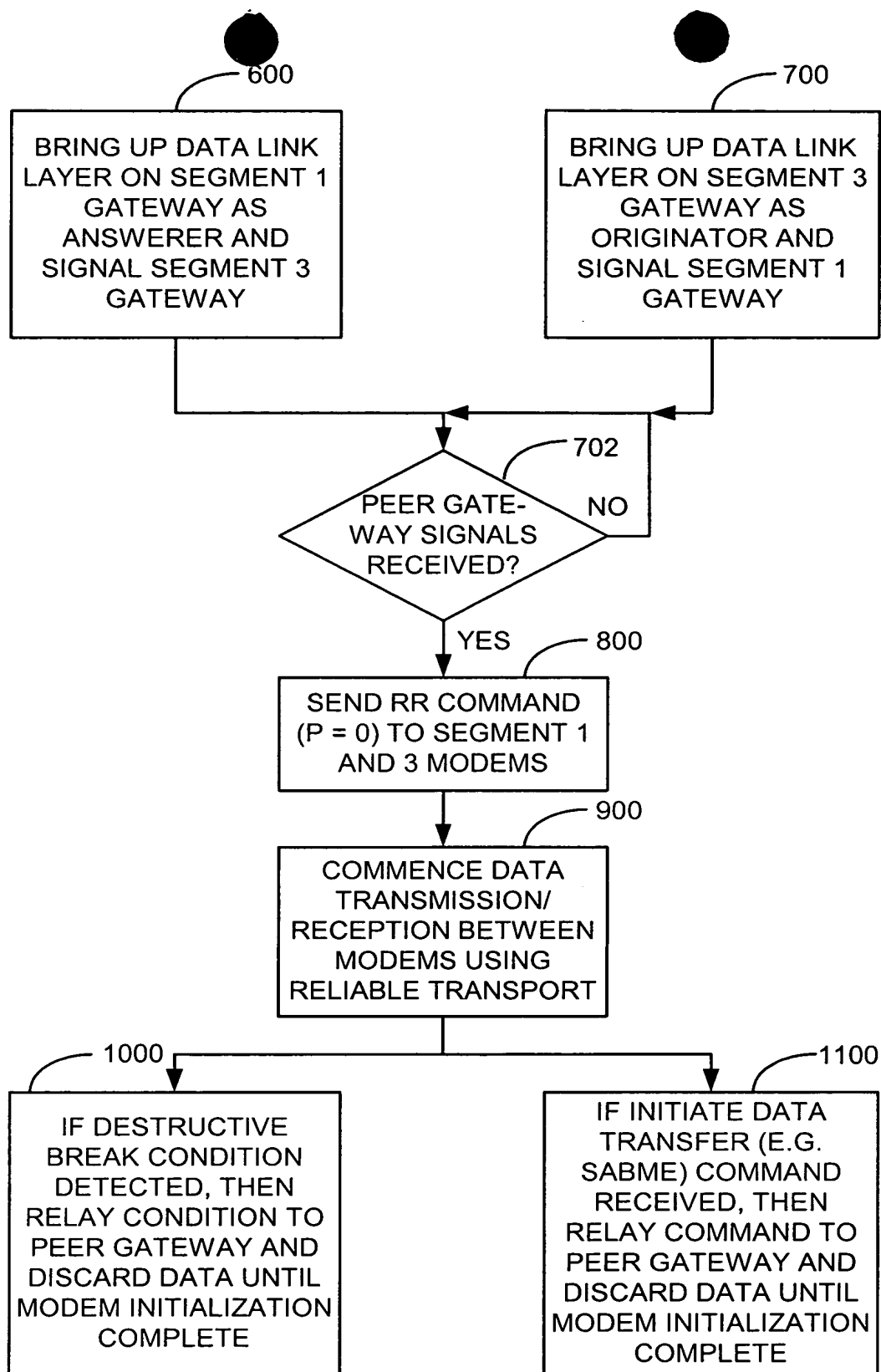


FIG. 3